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Application No. 09/871,560
of Alroy, Daniel
Filed on May 31, 2001

NOV 22 2004

November 22, 2004
Facsimile
Art Unit 1631

Title: Concepts and methods for identifying brain correlates of elementary mental states

Commissioner of Patents and Trademarks
Washington, D. C.

Attention: Mr. Terry Lin, Examiner

Dear Mr. Lin:

I thank you again for scheduling the meeting for tomorrow.

My proposed response to the Action letter is to replace Claims 1-5 by a new Claim 6 (a revised copy enclosed), which is restricted to the identification methods of *brain loci* of interest, and then file divisional patent applications for methods of identification of the *molecular signature* of those loci.

The primary reason I asked for this meeting is to receive any comments you may offer, under MPEP 707.07(j), regarding the restricted claim.

I look forward to meeting with you.

Respectfully,



Enc.

Daniel Alroy * 19 Stanton Street, NY, NY 10002 * 212 505-0110

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Concepts and methods for identifying brain correlates of elementary mental states

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THE NEW CLAIM 6, WHICH REPLACES CLAIMS 1-5

A method for identifying brain loci whose normal function determine the subjective quality of any particular elementary mental state, such as any innate submodality element of sensation, comprising:

establishing correspondence between said submodality element of sensation and the external stimulus that normally elicits it, and with a voluntary behavioral response, so that following said stimulus said behavioral response signifies the presence of the said element of sensation, and the absence of said behavioral response signifies the absence of said element of sensation;

detecting brain loci that manifest transient increased activation immediately following said external stimulus and said corresponding behavioral response;

identifying, among the said brain loci that manifest increased activation, those whose deactivation selectively eliminates said behavioral response to said external stimulus, without eliminating behavioral responses to external stimuli that induce other elements of sensation within the same submodality.